SAMSUNG

VIDEO-CD
MICRO COMPONENT
AUDIO SYSTEM

VCD/MP3-CD/CD-R/RW PLAYBACK

MM-VB7

Instruction Manual

Safety Warnings

GB

CLASS 1 LASER PRODUCT
KLASSE 1 LASER PRODUKT
LUOKAN 1 LASER LAITE
KLASS 1 LASER APPARAT
PRODUCTO LASER CLASE 1

CAUTION

RISK OF ELECTRIC SHOCK.
DO NOT OPEN

CAUTION:
TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE REAR COVER, NO USER SERVICEABLE PARTS INSIDE, REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

CLASS 1 LASER PRODUCT

This Compact Disc player is classified as a CLASS 1 LASER product.

Use of controls adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

CAUTION-INVISIBLE LASER RADIATION WHEN OPEN AND INTER LOCKS DEFEATED, AVOID EXPOSURE TO BEAM.

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

This symbol indicates that dangerous voltage constituting of a risk of electric shock is present within this unit.

This symbol indicates that there are important operating and maintenance instructions in the owners manual accompanying this unit.

Contents

Thank you for buying this SAMSUNG micro component system.

Please take time to read these instructions. They will allow you to operate your system with ease and take full advantage of its features.

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Symbols

Press

Push

Important

Note

Front Panel View

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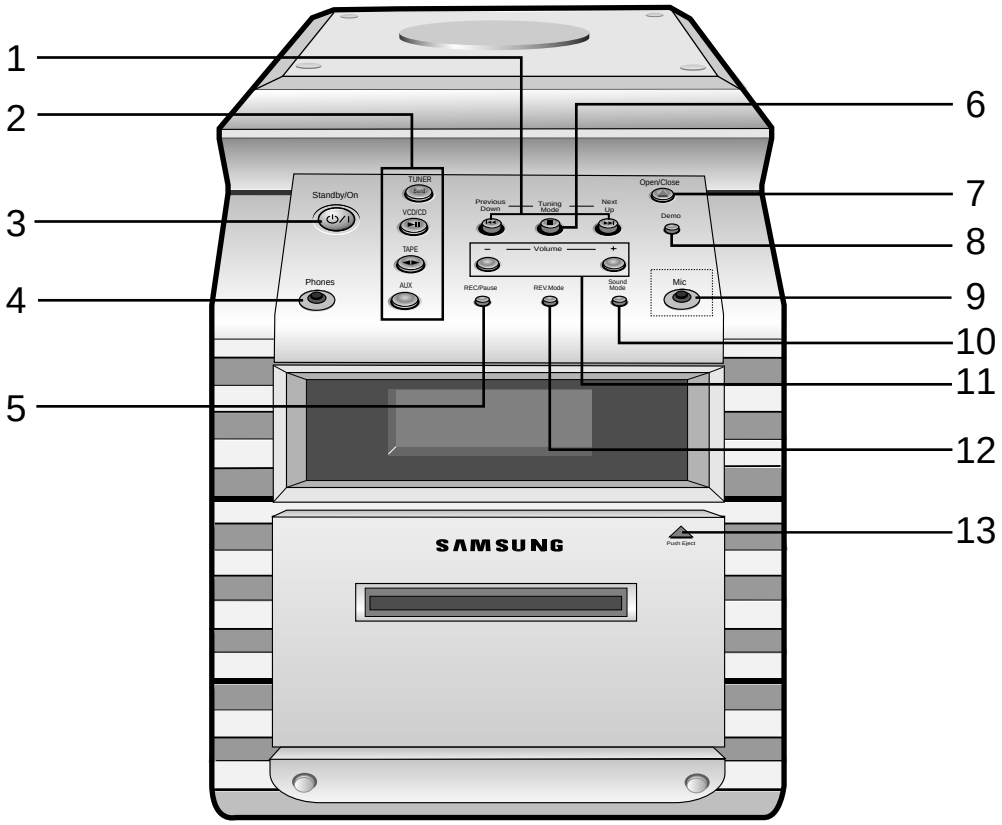

1. **Skip or Search**
2. **Function (TUNER,VCD/CD,TAPE,AUX)**
3. **Standby/On**
4. **Headphone Jack Connector**
5. **REC/Pause**
6. **Stop**
7. **CD Door open/close**
8. **Demo**
9. **Mic jack**
10. **Sound Mode**
11. **Volume**
12. **REV.Mode**
13. **Push Eject (Cassette Door Open/Close)**

Remote Control

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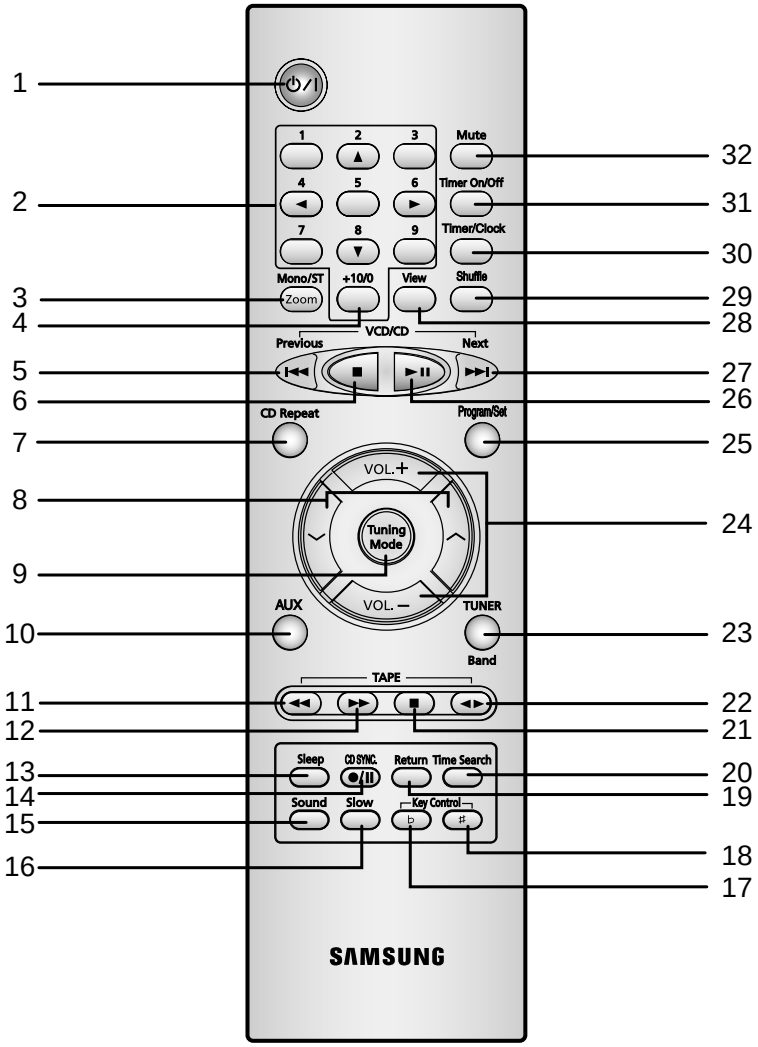

1. Standby/On
2. Digit Buttons/Direction Buttons
3. FM Mono/Stereo,VCD Zoom
4. +10/0
5. Track Previous
6. VCD/CD Stop
7. CD Repeat
8. Radio Station Search
9. Tuning Mode
10. AUX
11. TAPE Rewind
12. TAPE Fast-Forward
13. Sleep
14. CD Synchro
15. VCD Sound
16. VCD Slow Play
17. Key Control ♭
18. Key Control #
19. Return
20. Time Search (Last Memory)
21. TAPE Stop
22. TAPE Play
23. Tuner/Band
24. Volume Up/Down
25. Program/Set
26. Disc Play/Pause
27. Track Next
28. View
29. VCD/CD/MP3-CD Shuffle Play
30. Timer/Clock
31. Timer On/Off
32. Mute

Rear Panel View

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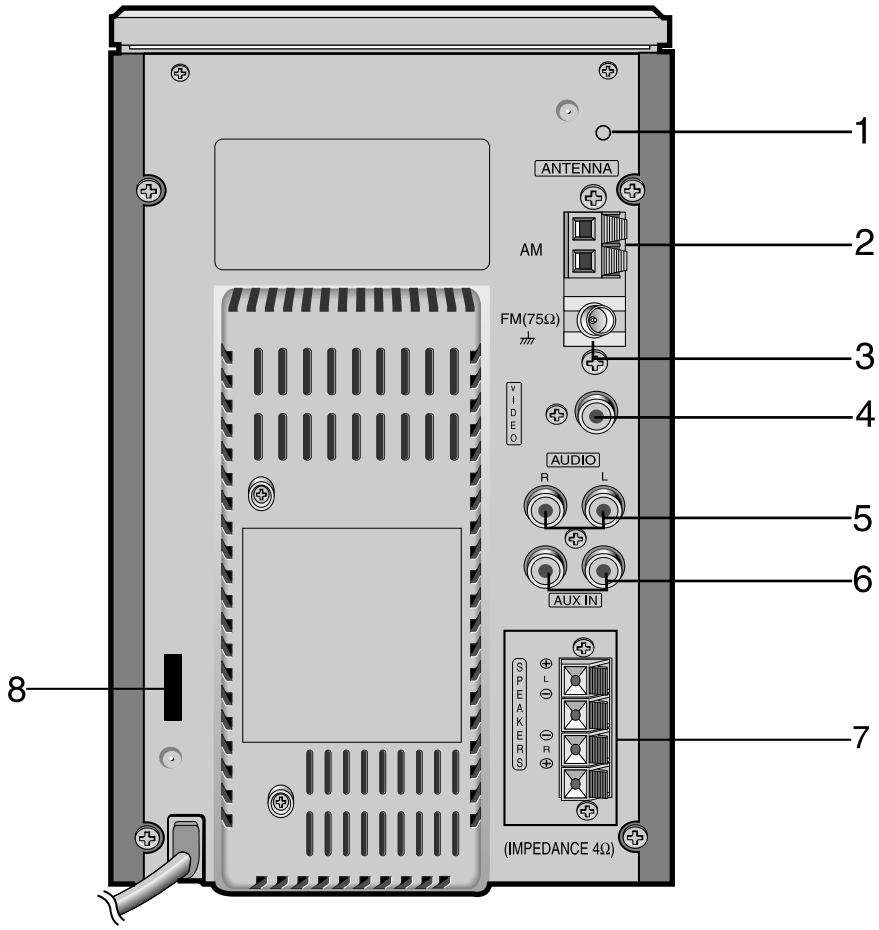
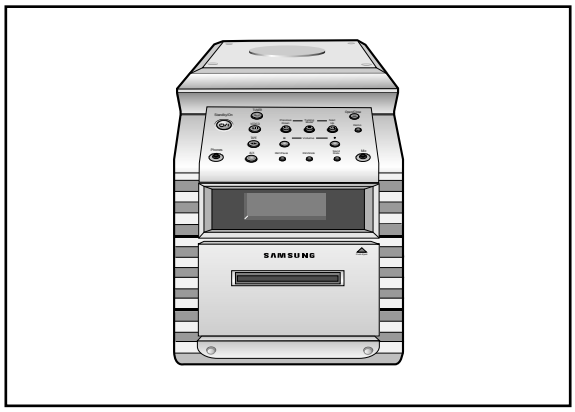


1. **SW Aerial (option)**
2. **AM Aerial Connector Terminal**
3. **FM Aerial Connector Terminal**
4. **Video Output**
5. **Audio Output**
6. **AUX-Input**
7. **Loudspeakers Connector Terminals**
8. **Voltage Selector(option)**

Where to Install Your Micro Component System

To take full advantage of your new micro component system, follow these installation instructions before connecting the unit.

- Install the system on a flat, stable surface.
- Never place this unit on carpeting.
- Never place this unit in an outdoor area.
- Maintain an open space of approximately 6 inches (15 cm) on the sides and rear of the system, for ventilation purposes.
- Make sure that you have enough room to open the compact disc compartment easily.
- Place the loudspeakers at a reasonable distance on either side of the system to ensure good stereo sound.
- Direct the loudspeakers towards the listening area.
- For optimum performance, make sure that both speakers are placed at an equal distance above the floor.

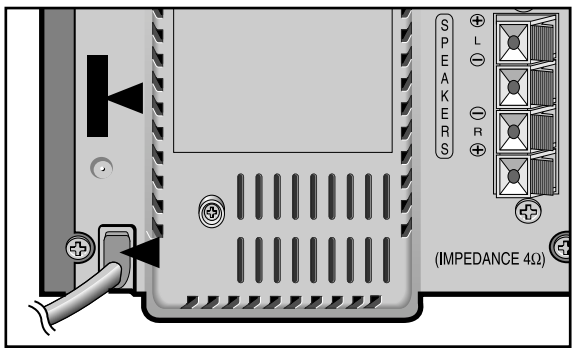


Connecting your System to the Power Supply

The main lead must be plugged into an appropriate socket.

☛ Before plugging your system into a main socket, you must check the voltage.

1. Check the position of the voltage selector on the rear panel (OPTIONAL).
2. Plug the main lead (marked **AC Cord** on the rear of the system) into an appropriate socket.
3. Press the **Standby/On** button to switch your mini-compact system on.



Inserting Remote Control Batteries

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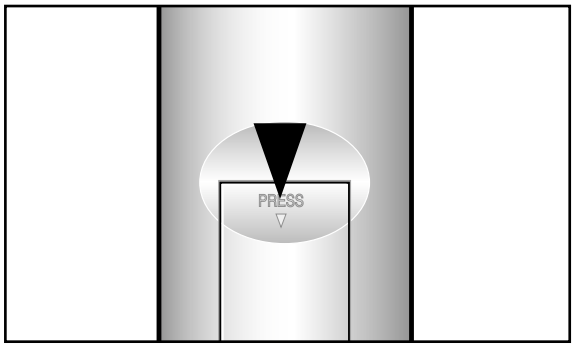
Insert or replace remote control batteries when you:

- Purchase the micro component system
- Find that the remote control is no longer operating correctly

☛ When replacing the batteries, use a new set of batteries and never mix alkaline and manganese batteries.

1. Place your thumb on the position marked PRESS ▽ on the battery compartment cover (rear of the remote control) and push the cover in the direction of the arrow.
2. Insert two AA, R6 or equivalent batteries, taking care to respect the polarities:
   - + on the battery against + in the battery compartment
   - – on the battery against – in the battery compartment
3. Replace the cover by sliding it back until it clicks into position.

➢ If you will not be using the remote control for a long time, remove the batteries to prevent corrosion.



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Connecting to an External Source

The auxiliary input can be used to take advantage of the sound quality of your micro component system when listening to other sources.

Examples: ♦ A television
♦ A video disc player
♦ A Hi-Fi stereo video cassette recorder

➢ To connect the external source, the source must have an audio output. In addition, you need an RCA connection cable.

1 Set the system to standby mode and disconnect it and the external source from the main.

2 Connect the audio cable to the rear of the micro component system.

Connect the...	To the connector marked...
Red jack	R (right)
White jack	L (left)

➢ For optimum sound quality, do not invert the right and left channels.

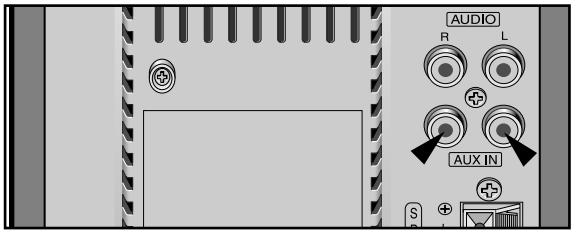
3 Plug the system back into the main socket and press **Standby/On** (⏻/I) to switch it on.

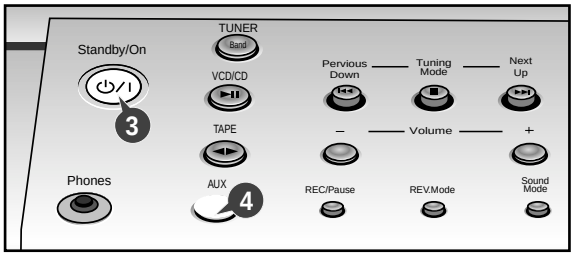
4 Select the AUX source by pressing **AUX**.
Result: **AUX** is displayed.

5 Switch the external source on.

6 Adjust the volume and balance as required:
♦ Volume ♦ Sound Mode

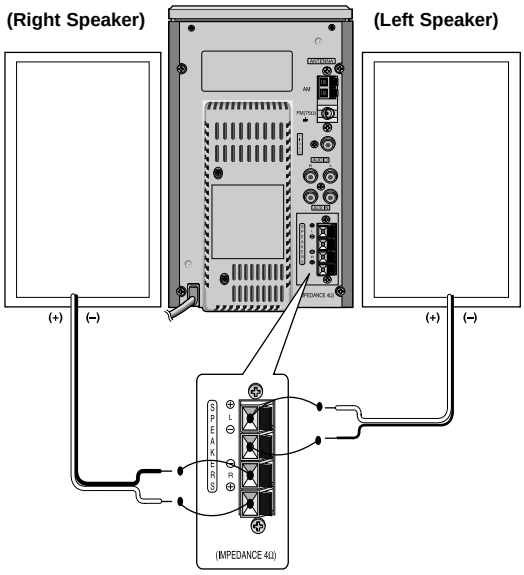
Example: You can watch a film and take advantage of stereo sound provided that the original sound track is in stereo (as if you were in a cinema).





Speaker Connection

Main Speaker Connection: Connect the Speaker cords (red/black) to the Main Speaker jacks of System



Directions in Installing Speaker

♦ Installation in a place near heating apparatus, under direct lay of light or with high humidity may cause performance degradation of the speaker.
♦ Do not install on the wall or on a high place of pole or other unstable place to prevent any safety accident caused by falling of the speaker.
♦ Do not take the speaker apart from TV or computer monitor. The speaker near the TV or computer monitor may influence the quality of the screen display.

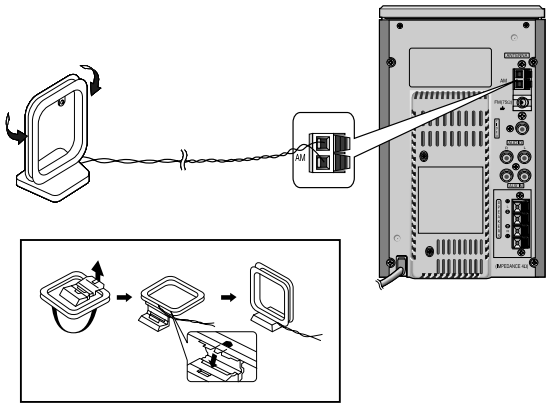
Connecting the AM (MW)/LW Aerial

The AM aerial (for long and medium waves) can be:

- Placed on a stable surface
- Fixed to the wall (you must first remove the base)

The **AM** aerial connector terminals are located on the rear of the system and are marked **AM** .

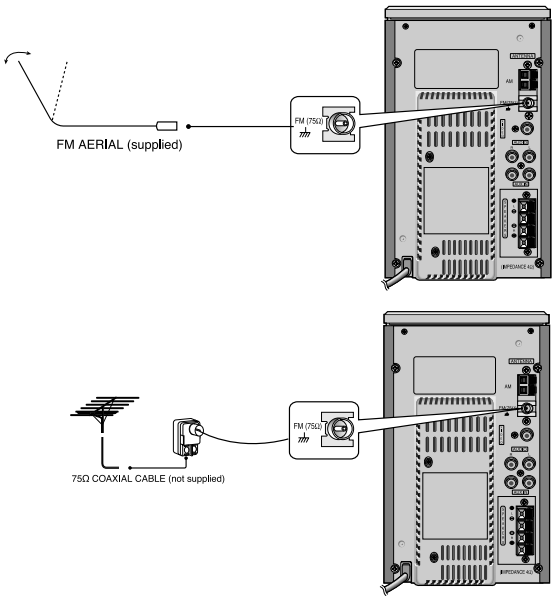
☛ To avoid noise interference, check that the loudspeaker wires do not run close to the aerial wires.
Always keep them at least 2 inches (5 cm) away.



Connecting the FM Aerial

How to connect a COAXIAL TYPE aerial.

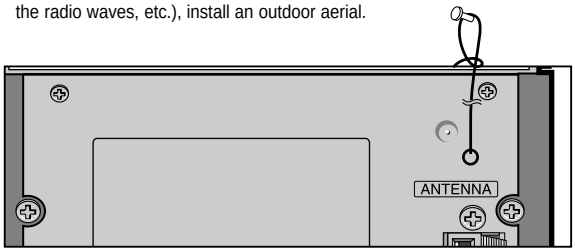
- Connect a 75Ω antenna to the **FM** antenna terminal.
- Plug the connector on the **FM** aerial supplied into the coaxial socket (75Ω) marked **FM** on the rear of the system.
- Follow the instructions given on Page 18 to tune into a radio station, and determine the best position for the aerial.
- If reception is poor, you may need to install an outdoor aerial.
To do so, connect an outdoor **FM** aerial to the **FM** socket on the rear of the system using a 75Ω coaxial cable (not supplied).



Connecting the SW Aerial (option)

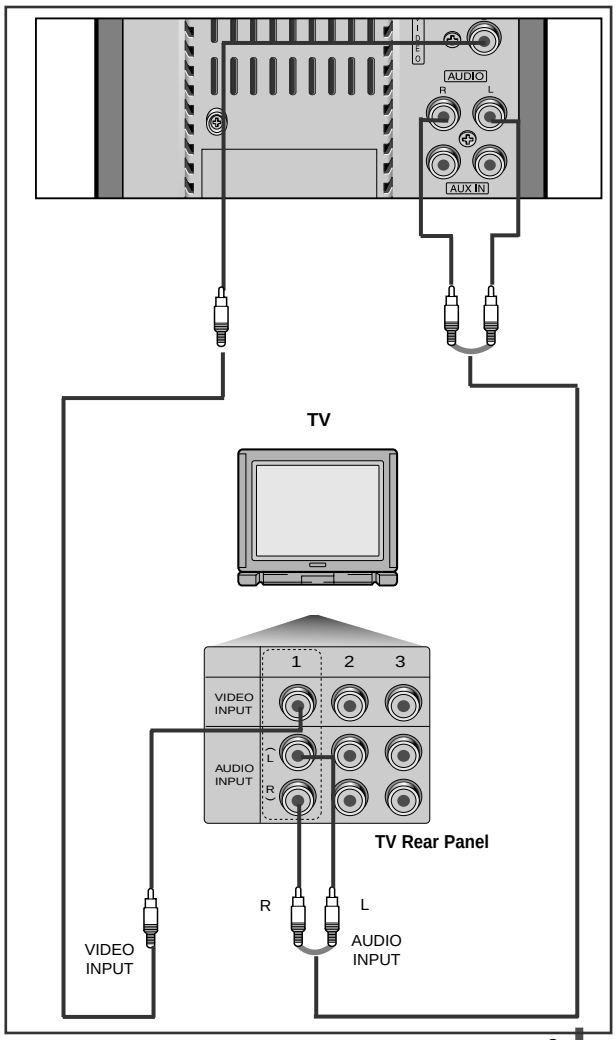
How to connect a WIRE TYPE aerial.

- Spread the **SW** aerial out and attach the ends to a wall, in the position providing the best reception.
- If reception is poor (e.g. distance from transmitter too great, walls blocking the radio waves, etc.), install an outdoor aerial.



Connecting to the Equipment

- Using the Audio Cord, Connect the Audio Output Terminals (Left, Right) of the rear panel with the Audio Input Terminals (Left, Right) of TV.
- Using the Video Cord, Connect the Video Output Terminal of the rear panel with the Video Input Terminal of TV.
- Turn on the TV and Select the Video mode by pressing the TV/VIDEO SELECT button to the VIDEO Position.



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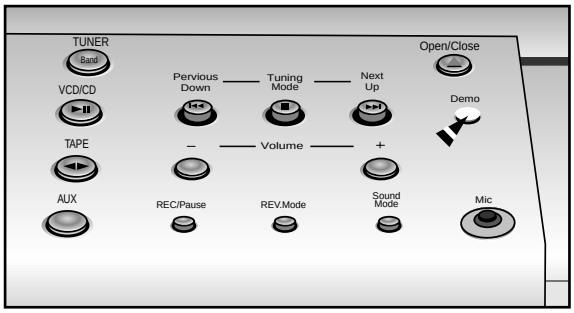
Viewing the Various Functions on Your System

You can view the various functions available on your system.

1 Press the **Demo** button in standby mode.
Result: The various functions available are listed in turn on the display.

➢ All these functions are described in detail in this booklet. For instructions on how to use them, refer to the appropriate sections.

2 To cancel this function, press **Demo** again.



Setting the Clock

Your system is equipped with a clock which allows you to turn your system on and off automatically.
You should set the clock:

- When you first purchase the micro component system
- After a power failure
- After unplugging the unit

☛ For each step, you have a few seconds to set the required options. If you exceed this time, you must start again.

1 Switch the system on by pressing **Standby/On (⏻/I)** .

2 Press **Timer/Clock** twice.
Result: **CLOCK** is displayed.

3 Press **Program/Set**.
Result: The hour flashes.

4

To...	Press...
Increase the hours	^
Decrease the hours	v

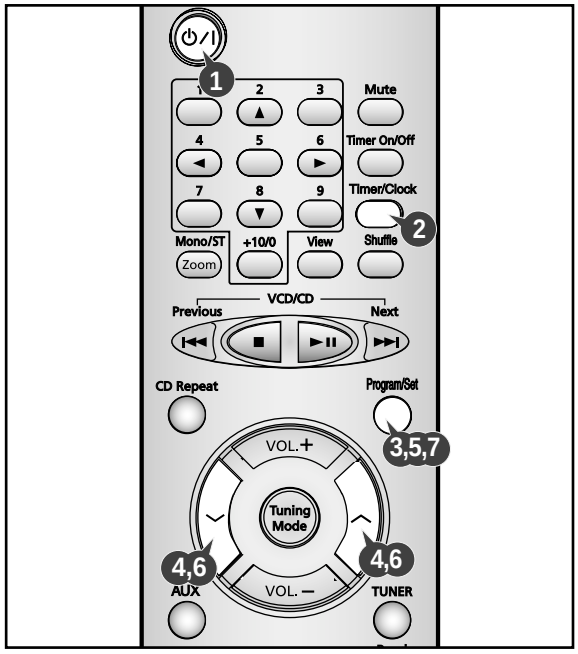
5 When the correct hour is displayed, press **Program/Set**.
Result: The minutes flash.

6

To...	Press...
Increase the minutes	^
Decrease the minutes	v

7 When the correct time is displayed, press **Program/Set**.
Result: The clock starts and is displayed, even when the system is in standby mode.

➢ You can display the time, even when you are using another function, by pressing Timer/Clock once.
You can use the ⏮/⏭ button on the main unit to instead ^ /v button on the remote control in step 4,6.



To replay the CD/MP3-CD

This unit has been designed to playback the CDs: Audio CD, CD Text, CD-R, CD-RW, MP3-CD and VCD.

Continued use of irregular shape CDs (heart-shape, octagonal, etc.) can damage the unit.

1 Select the CD function by pressing **VCD/CD**(▶II) button.

2 Press the **Open/Close** (▲) button.
Result: The compartment opens.

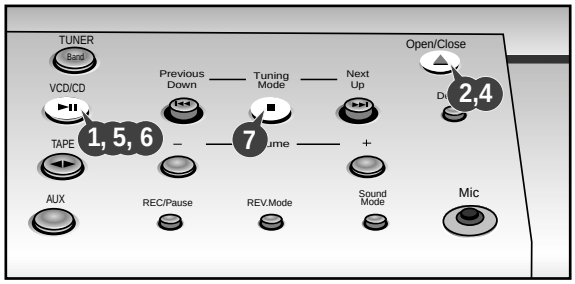
3 Place your disc in the compartment, with the label on the disc facing upwards.

4 Close the compartment by pressing the **Open/Close** (▲) button again.

5 Press the **VCD/CD**(▶II) button.
♦ Your CD Player will take a few moments to scan through all the tracks recorded on a particular MP3-CD.

6 To stop playback temporarily, press the **VCD/CD**(▶II) button.
➢ Press **VCD/CD**(▶II) again to continue playing the disc.

7 Press the **Stop** (■) button when you have finished.



Regarding the playback of CD-R/RW

♦ In the case of an original CD-R(Recordable) recorded in audio CD format, CD-RW(Rewritable) and editing by the user, playback is processed on the respective completed status.
(The player may not be played back according to the characteristics of the CD or recorded status.)

♦ The CD-RW is comparably less reflexive than CD which causes more time delay to read.

MP3-CD Playback

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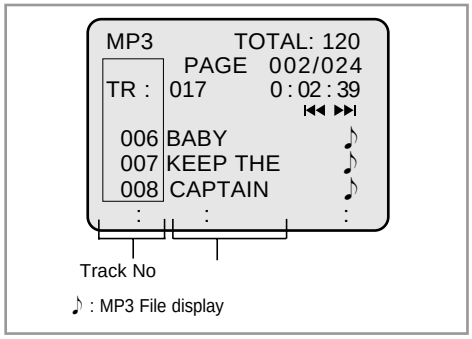
How to play back MP3-CD directly

1 After inserting MP3-CD in the Set, Press the **VCD/CD**(▶II) button or **Digit** buttons after Reading.

2 You can see the information of Disc on the TV.

- Press the Previous/Next (⏮, ⏭) buttons to move on to the next or previous track.



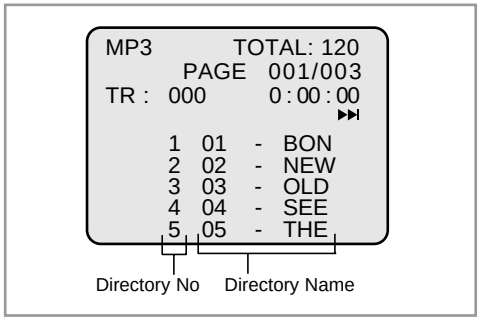
- 7 tracks on the PAL TV screen.
- 5 tracks on the NTSC TV screen.
- Select the number of song on the remote control **Digit** buttons and you can enjoy the music.

How to play back MP3-CD on menu mode

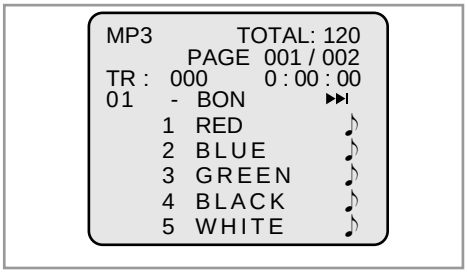
1 After inserting MP3-CD in the Set, Press the **View** button at the stop mode.

2 You can see the following information of Disc on the TV.

- Press the Previous/Next (⏮, ⏭) buttons to move on the next or previous directory.



3 Select the Number of Directory.
You can see the following Display.



4 Select the number of song on the remote control **Digit** buttons and you can enjoy the music.

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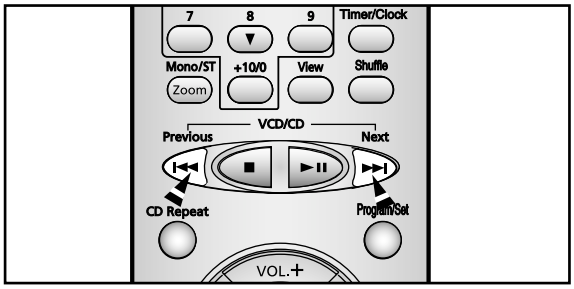
Selecting a Track

You can select the track you wish to listen to, either when the compact disc player is stopped or when a disc is playing.

To start playback at the beginning of the...	Press...
Next track	▶▶I once
Current track	I◀◀ once
Previous track	I◀◀ twice
Track of your choice	I◀◀ or ▶▶I the appropriate number of times.



What is MP3?

MP3 means MPEG1 Layer 3, the global standard for audio signal compression technology. It uses digital compression technology to compress original sound data by up to 12 times without sound quality degradation.

File Compatibility

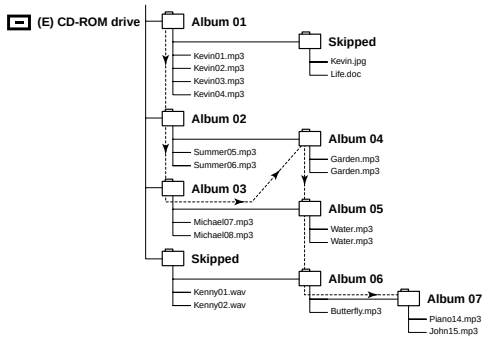
- The unit will playback files created in MP3 format (Mpeg1.Layer3) with *.mp3 as their extension.
- Files created in MP2 format (Mpeg1.Layer2) with *.mp2 as their extension can also be played back.

How many MP3 files can a CD-R or CD-RW disc record?

The maximum capacity of one CD-R or CD-RW disc is 650MB. Normally, one MP3 file has a capacity of 4MB, therefore approximately 170 files can be recorded on a single disc.

Playback sequence of albums and tracks

- In case of Window Explorer display.
- The arrows indicates playback sequence of albums and tracks.
- Tracks with jpg, wav or doc only are not audio files and therefore will be skipped.

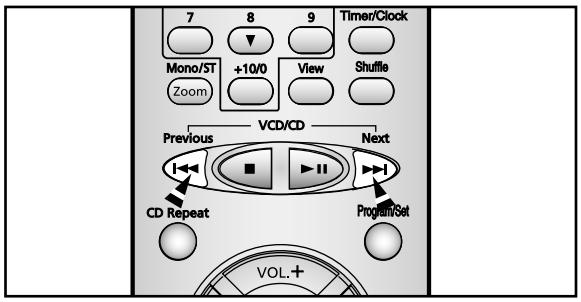


Searching for a Specific Music Passage on a CD

When listening to a compact disc, you can quickly search for a specific music passage on a track.

To search through the tracks...	Press and hold down...
Forwards	▶▶I for at least one second
Backwards	I◀◀ for at least one second

➢ It is recommended that you turn the volume down before using this function.



Function to skip through 10 tracks at a time

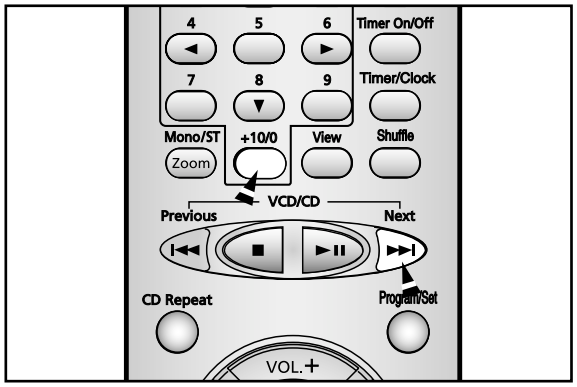
Press the +10/0 button briefly while playing back a CD or VCD. The track 10 tracks after the current one will then be played back.

Example: If you want to select track 43 during playback of track 15, press the +10/0 button three times, and then press the Next(▶▶I) button three times or Digit 3 button once.

15 → 20 → 30 → 40 → 41 → 42 → 43

➢ In selecting a track on MP3-CD, digit "0" will be entered if the button of +10/0 is pressed.

Example: If you want to select a track 40 during the playback of a certain track, press both buttons of 4 and +10/0.



Repeating One or All Tracks on the Compact Discs

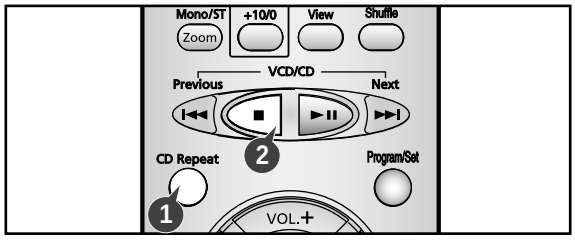
You can repeat indefinitely:

- A specific track on a compact disc.
- All tracks on the compact disc selected.

1

To repeat...	Press CD Repeat one or more times until...
The current track indefinitely	**REPEAT 1** is displayed
All songs	**REPEAT ALL** is displayed

2 When you wish to stop the Repeat function, press **Stop** (■) button.



Shuffle Play Function

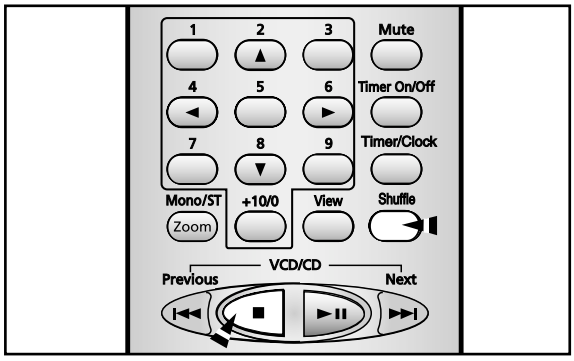
You can listen to the tracks on a compact disc in a different order each time, as the various tracks will be selected automatically in a random sequence.

1 Press the **Shuffle** button.

- If this button is pressed when the CD is being played back or stopped, any track recorded in the CD may be selected to playback again.

2 When you have finished the random playback, press **Stop**(■) or press the **Shuffle** button again.

➢ - The Repeat and CD Synchro function is not supported from the Shuffle playback mode.



GB

Programming the Order of Playback

You can decide:

- The order of the track desired to listen
- The track not desired to listen

➢
- A maximum of up to 30 order of tracks desired to listen may be programmed.
- Before selecting the track, the CD player should be stopped.
- This function may be used simultaneously with the CD Repeat function.

1 If the CD function is selected, stop the player by pressing **Stop** (■) button.

2 Load the selected CDs.

3 Press **Program/Set**.
Result: The following indications are displayed:

PROGRAM
P01 -- -- --

(01 = Program no., -- -- = Track no. on the disc)

4 Select the required track by pressing:
- ⏮ to move back through the tracks
- ⏭ to move forward through the tracks

5 Press **Program/Set** to confirm your selection.
Result: The selection is stored and is displayed.

6 To select other tracks, repeat Steps **4** to **5**.

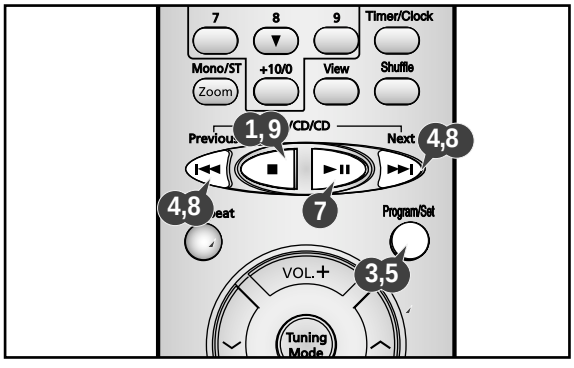
7 Press **VCD/CD** (⏯) to listen to the track selection in the order programmed.

8

To...	Press...
Listen to the current track again	⏮ once
Listen to the previous track	⏮ twice
Listen to the next track	⏭ once
Skip forwards or backwards one or more tracks	⏮ or ⏭ the appropriate number of times

9 To cancel the selection, press **Stop** (■) button.
- Once if the compact disc player is stopped.
  Result: **PROGRAM** is no longer displayed.

➢ If you open the compartment, the selection is cancelled.



Checking or Changing Programmed Tracks

You can check or change your selection of tracks at any time.

1 Press **Stop**(■) once if you have started listening to the selection.

2 Press **Program/Set** button twice.
Result: The following indications are displayed:

PROGRAM
C01 -- -- --

(01 = Program no., – – = Track no. on the disc)

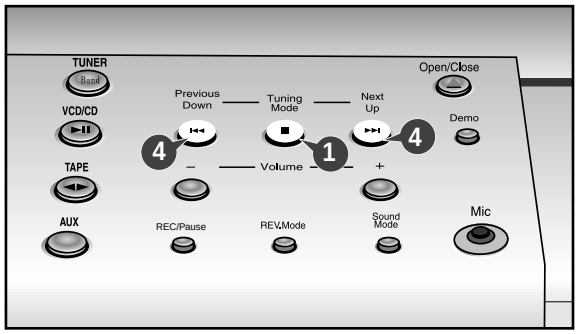
➢ If you have already programmed 30 tracks, **Check** is displayed instead of **P** when you press **Program/Set**.

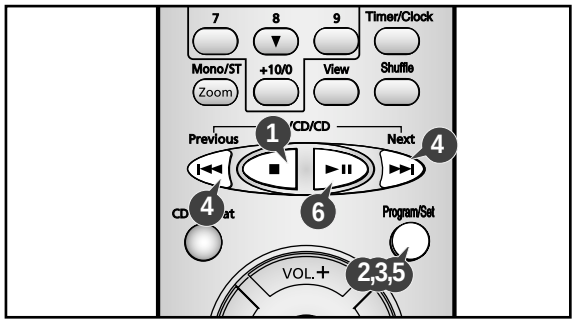
3 Press **Program/Set** one or more times until the track to be changed is displayed.

4 Press ⏮ or ⏭ to select a different track.

5 Press **Program/Set** to confirm your change.

6 Press **VCD/CD** (⏯) to start listening to the selection.
Result: The first track selected is played.





Video CD Player Playback

In order to play back video CD, make sure that your unit is connected to your TV set.

This unit is designed for playback of video CD, version 1.1 and 2.0. Only with version 2.0, it is possible to call up the on screen menu function. This unit will not play back any other video CD other than 1.1 and 2.0 versions.

1 Turn on the **Standby/On (⏻/I)** switch and set the VCD mode.

2 Press the **Open/Close** (⏏) button on the unit to open the CD compartment.
Result: "**OPEN**" is displayed and the CD compartment opens.

3 Load a video-CD with the label facing upwards in the compartment.

4 Press the **Open/Close** (▲) button again to close the CD compartment.

5 To playback:
- In version 1.1, press the **VCD/CD** (▶II) button for direct access to the film, as there is no menu-on-screen.
- In version 2.0, load a video CD, "**Video CD 2.0**", and "**MENU ON**" are displayed on the TV screen. Press the **VCD/CD** (▶II) button and the menu is displayed on the TV screen.
  Select a number from the menu using **Digit** buttons on the remote control and press the **VCD/CD** (▶II) button.

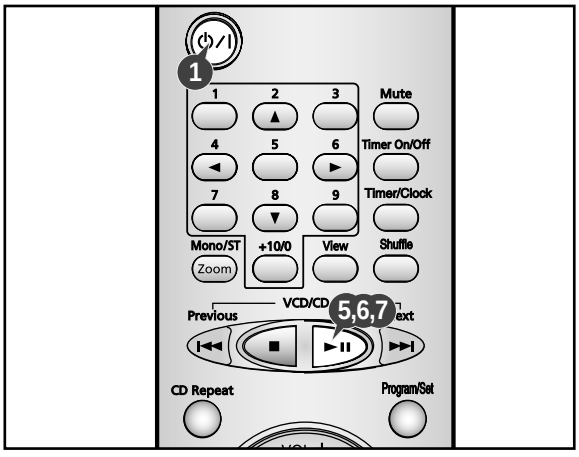
➢
- To return to the previous menu in the version 2.0, press the **Return** button on the remote control.
- When playing a video-CD version 2.0, reading time on the display may take longer, depending on the disc's contents.

6 Press **VCD/CD** (▶II) button on the remote control to receive a still picture.
Result: Pause is displayed, a still picture appears and the sound is muted.

7 To return to normal playback, press **VCD/CD** (▶II) button.

8 Press the **Stop** (■) button to stop playback.

➢
- Please make sure that the Video-CD to be played is not flawed optically, as this may cause a distorted sound or the unit to malfunction.



Search Functions

You can find a certain passage faster during playback.
This function is possible in CD or VCD Ver 1.1 or Ver 2.0 menu off mode.

1

To...	Press and hold down...
Scan forwards	▶▶I
Scan backwards	I◀◀

2 Release the **Skip/Search** buttons when the desired passage has been found.

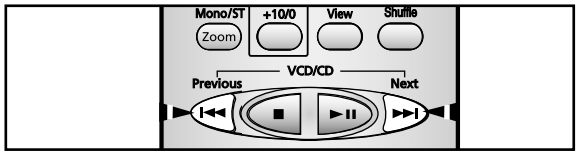
➢ In the video CD version 1.1, where the disc's contents are over 15 minutes long, you can scan up or down by intervals of five minutes.

3

To...	Press...
Scan forwards by 5 minute intervals	▶▶I
Scan backwards by 5 minute intervals	I◀◀

Result: The picture is still, and the disc's contents are forwarded or reversed by 5 minute intervals. Playback then resumes from this new position.

➢ In the Skip/Search or Scan mode, the sound can only be partially heard and the picture scenes will change sporadically, until the required passage has been found.



Time Search Function

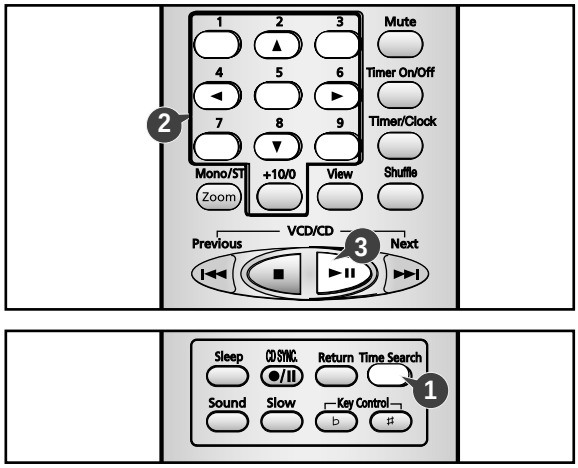
(This function is available only during the playback of a CD/VCD)

Please use this function for reproducing a desired track in a certain time of playback.

1 Press the **Time Search** button.

2 Set a desired time by pressing the **Digit** buttons.

3 Press the **VCD/CD (▶II)** button.



GB

When adjusting play speed

Turn on the TV and set video mode.

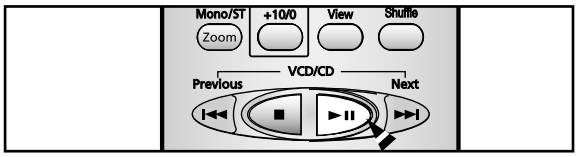
Press the **Slow** button on the remote control when the play function is on.

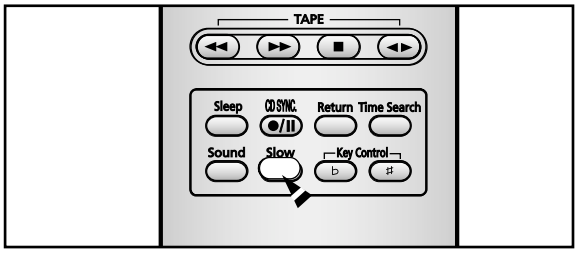
- Voices do not come out when the **Slow** button is pressed.
- Slow playing is 1/2, 1/4, 1/8 of the normal playing speed.

To return to normal operation.

- Press the **VCD/CD** (▶II) button.

➢ When the slow mode is selected a disc will only forward operation.





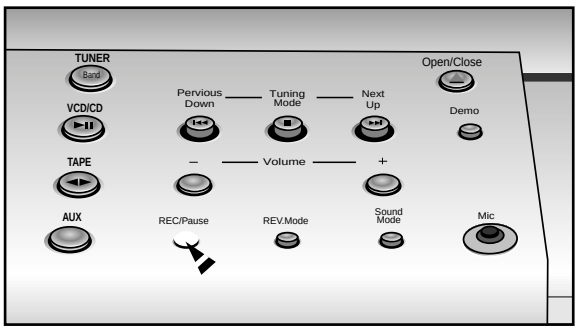
NTSC/PAL Selection Method

According to a DISC or TV, Press the REC/Pause button on the front panel.

Set the system to standby(power off) mode, press the **REC/Pause** button on the front panel.

Result: Each time the **REC/Pause** button is pressed, the following appears in the display:

NTSC → PAL



Sound Select Function

With this function, you can play back video CD that provide 2-channel tone(bilingual) in the original language. Similarly, with karaoke video CD, you can select between the channel for music without vocals for sing-along purpose, or the channel complete with music and vocals.

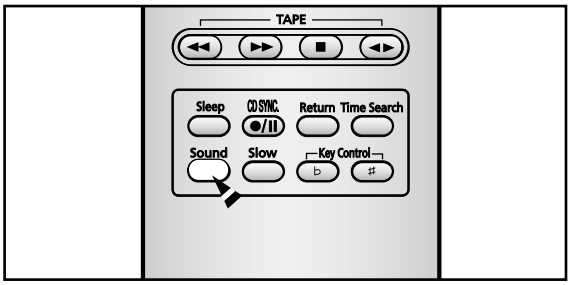
During playback, press the **Sound** button on the remote control.

Result: Each time the **Sound** button is pressed, the following appears in the display and on the TV screen:

L-CH (Lch MONO) → R-CH (Rch MONO) → STEREO

- **Lch MONO** : Only the left channel (instrumental parts) is played back through both the right and left speakers.
- **Rch MONO** : Only the right channel (vocal parts) is played back through both the right and left speakers.
- **STEREO** : Cancels the Multiplex Sound (normal stereo playback resumes).

➢ You can select between listening to the tone from the left channel, the right channel or both channels.



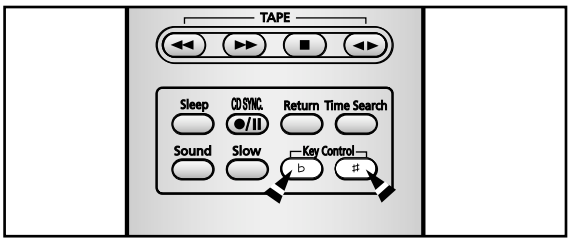
Key Control Function

This function can work only at VCD mode.

Press the **Key Control** button to adjust the key to your voice. (the 15 step key control you can select)

Result: Each time the **Key Control** **#**, ***b*** button is pressed, the following appears on the TV screen: "KEY #-"

➢ **b : Low-Pitched Key**
 # : High-Pitched Key
Key control function and VCD slow playing function do not work at the same time .



VCD View function

This function can be used conveniently to search a desired track in a VCD. This function is possible in VCD Ver 1.1 and Ver 2.0 menu off mode.

When you want to select a track

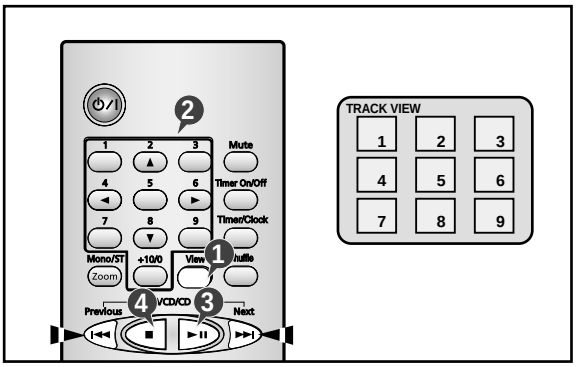
1 Press the **View** button in the stop state.
Result: "**TRACK VIEW**" menu is displayed on the screen.
The screen is split into 9 with each screen picture being reproduced for 4 seconds.
– Press Next (▶▶I) button to see the rest tracks.
– Press Previous (I◀◀) button to see the previous tracks.

2 Select a track by pressing the **Digit** buttons.

3 Press the **VCD/CD** (▶II) button.
Result: The picture that you selected is displayed in full screen.

4 When you wish to stop the Disc View function, press the **Stop** (■) button.

♦ **When using more than 10 tracks :**
Press the **Digit** and **+10/0** buttons, select the desired track number.
– Press Next (▶▶I) button to see the next track.
– Press Previous (I◀◀) button to see the previous track.



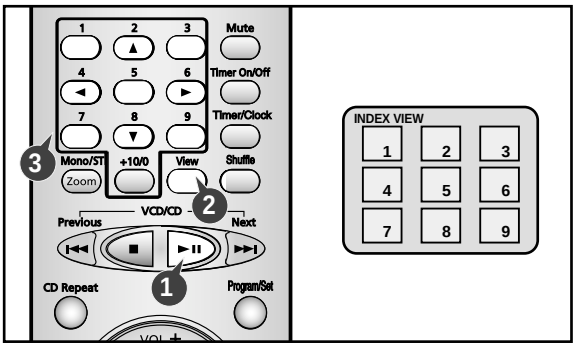
When you want to select an INDEX

This function is convenient to search a desired scene as it displays a track reproduced by time.

1 Reproduce the pictures by pressing **VCD/CD** (▶II) button.

2 Press the **View** button.
Result: "**INDEX VIEW**" menu is displayed on the screen.
The screen is split into 9 with each screen picture being reproduced for 4 seconds.

3 Reproduce the pictures by pressing a desired **Digit** buttons.
Result: The one of nine picture is displayed in full screen.



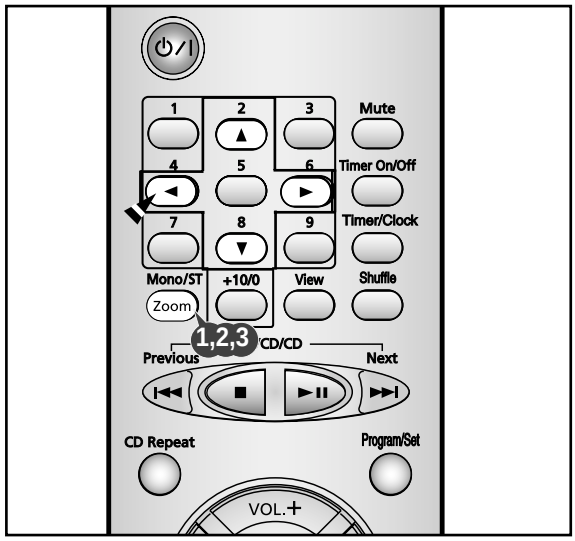
ZOOM Function

1 Press **Zoom** button during VCD playback.
Result: The picture being reproduced will be enlarged twice as large as the previous one.

2 Press **Zoom** button once more in the state of double sized zoom.
Result: The picture being reproduced is enlarged four times as large as the initial one.

3 Press **Zoom** button in the state of four times sized zoom.
Result: The picture will return to the initial size.

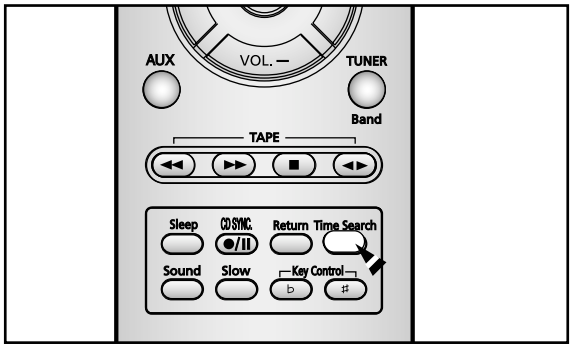
♦ During operating the zoom function, if you want to move the picture upward/downward/leftward/rightward, please press the respective **Digit** buttons (**2,4,6,8**).



Last Memory Function

When CD playback is selected again after your CD player has been stopped or turned off, this function allows playback from the start of the track that you last listened to.

♦ Press Time Search button in standby mode.
Result: The track that you last listened to will play back.



GB

Searching for and Storing the Radio Stations

You can store up to:

- 15 FM stations
- 15 AM(MW) stations

1 Switch the system on by pressing **Standby/On (⏻/I)** .

2 Select the required frequency band by pressing **TUNER (Band)** again on the front panel.
Result: The appropriate indication is displayed:
- **FM** Frequency Modulation
- **AM(MW)** Medium Wave

3 Press **Tuning Mode** one or more times until MANUAL is displayed.

Automatic tuning
- Press and hold ⌄, ⌃ on the remote control.
- Press and hold ⏮, ⏭ on the main unit.
  Result: Automatically scans and tunes to the next available station.

Manual tuning
- Press ⌄ or ⌃ on the remote control.
- Press ⏮ or ⏭ on the main unit.
  Result: Press the button repeatedly to tune in the desired station manually.
- PRESET function is explained in detail in the section "Selecting a Stored Station" on.

4 Select the station to be stored by pressing ⏮, ⏭(main unit) or ⌄, ⌃(remote control) buttons to increase or decrease the frequency respectively.
- To scroll through the frequencies faster when searching manually, hold down the ⏮, ⏭(main unit) or ⌄, ⌃ (remote control) buttons.
- The automatic search procedure may stop on a frequency that does not correspond to a radio station. If this happens, use the manual search mode.

5 If you do not want to store the radio station found, revert to Step **4** and search for another station.

Otherwise:

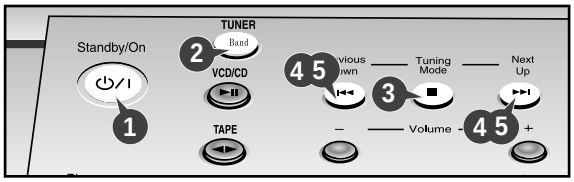
a Press **Program/Set**.
Result: The **PROGRAM** is displayed for a few seconds.

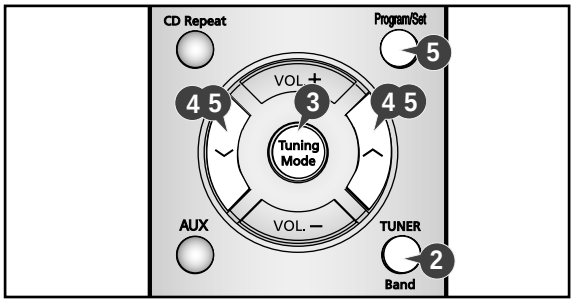
b Press ⌄, ⌃ (remote control) or ⏮, ⏭(main unit) to assign a program number between 1 and 15.

c Press **Program/Set** to store the radio station.
Result: **PROGRAM** is no longer displayed and the station is stored.

6 To store any other radio frequencies required, repeat Steps **3** to **5**.

➢ The PROGRAM function can be used to assign a new station to an existing program number.





Selecting a Stored Station

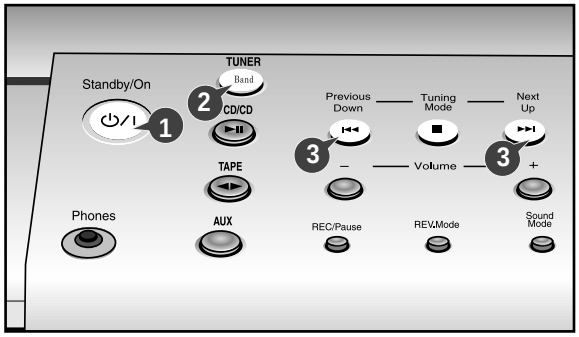
You can listen to a stored radio station as follows:

1 Switch the system on by pressing **Standby/On (⏻/I)** .

2 Select the required frequency band by pressing **TUNER(Band)** .

3 Select the radio station as follows.

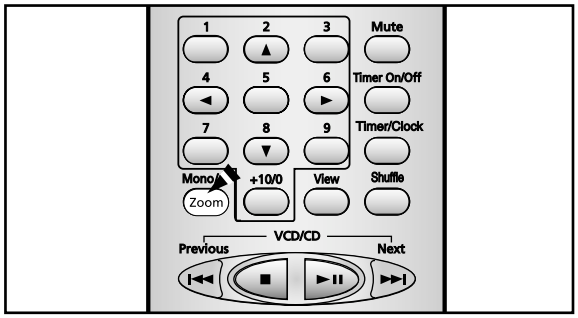
To listen to ...	Press ...
Stored station	1. the **Tuning Mode** button until "**PRESET**" is displayed. 2. ⌄, ⌃ (remote control) or ⏮, ⏭ (main unit) to select the required program.



Improving Radio Reception

You can improve the quality of radio reception by:
- Rotating the FM or AM(MW) aerial

➢ If reception from a specific FM radio station is poor, press **Mono/ST.** to switch from stereo mode to mono. The quality of the sound will be improved.



Listening to a Cassette

➢ ♦ Always treat your cassettes with care; refer, if necessary, to the section entitled "**Precautions When Using Audio Cassettes**" on page 25.

1 Switch the system on by pressing **Standby/On** (⏻/I).

2 Open the cassette deck by pushing on the corner of the cover marked **Push Eject** (⏏) until you hear a click and then releasing it.

3 Close the deck by pushing on it until it clicks into place.

4

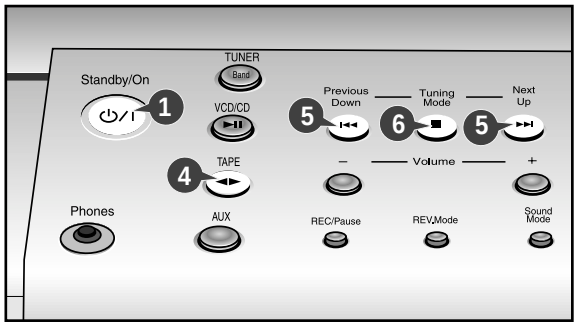
To listen to...	Press ...
Side A	Tape (◄►) button once.
Side B	Tape (◄►) button twice.

Result: The cassette starts playing.

5 Press the ⏮, ⏭ button or ⏪, ⏩ on the remote control if necessary.

To...	Press ...
Rewind the cassette	⏮ (⏪) button.
Fast-forward the cassette	⏭ (⏩) button.

6 When you have finished playback, press **Stop** (■) button.

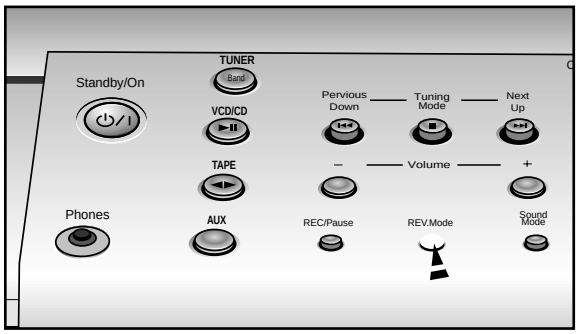


Selecting the Cassette Playback Mode

GB

Your micro component system has three cassette playback modes which enable you to listen to both sides of a cassette automatically.
Press REV.Mode until the appropriate symbol is displayed.

When the display indicates...	The micro component system plays back...
⇥	One side of the selected cassette and then stops.
⇄	One side of the cassette. The other side of the cassette and then stops.
↻	Both sides of the cassette indefinitely until you press stop.



Recording a Compact Disc

GB

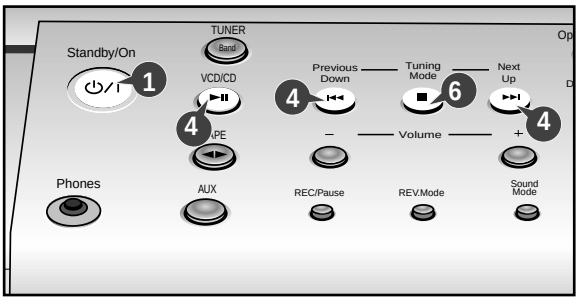
You can record a compact disc on a cassette in two different ways:

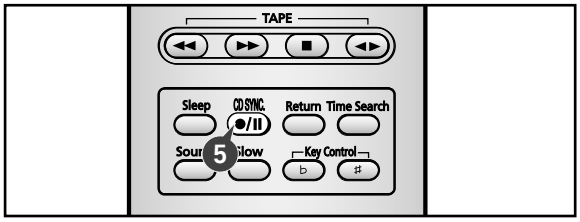
- Synchronised recording
- Direct recording

Synchronised recording

This feature enables you to synchronize the start of the recording with the start of the disc or track of your choice.

1. Switch the system on by pressing **Standby/On (⏻/ I)** .
2. Insert a blank cassette in Deck.
3. Load a compact disc.
4. Press the **VCD/CD** (⏯) button.
   - Use the CD selection (⏮ , ⏭) buttons to select the desired song.
5. Press the **CD Synchro** button on the remote control.
   - When stopped, press the button to start the recording from the first piece of music.
   - Press **CD Synchro** button on the remote control during the playback of CD to start the recording from the first part of the music being played.
6. To stop recording, press **Stop**(■) button.



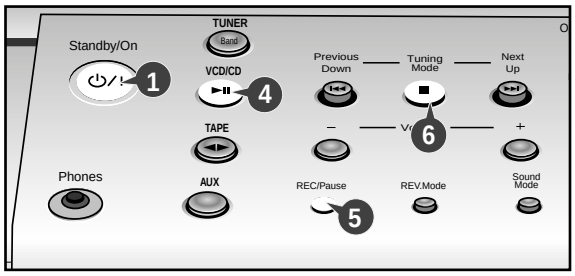


Direct recording

The direct recording mode enables you to start recording with any track on the compact disc.

- You do not need to adjust the volume, as it has no effect on the recording.

1. Switch your system on by pressing **Standby/On (⏻/ I)** .
2. Insert a blank cassette in Deck.
3. Load a compact disc.
4. Press the **VCD/CD**(⏯) button.
   - Use the CD selection (⏮ , ⏭) buttons to select the desired song.
5. Press the **REC/Pause** button.
   Result: Recording will begin.
6. To stop recording, press **Stop**(■)button.

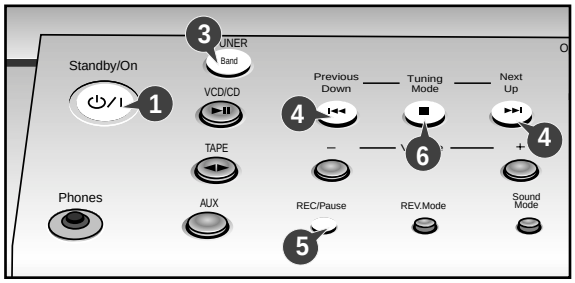


Recording a Radio Program

You can record a radio program of your choice.

- You do not need to adjust the volume, as it has no effect on the recording.

1. Switch the system on by pressing **Standby/On (⏻/ I)** .
2. Insert a blank cassette in Deck.
3. Select the TUNER function by pressing **TUNER(Band)**.
4. Select the radio station that you wish to record by pressing ⏮ or ⏭ button .
5. Press **REC/Pause.**
   Result: **REC** is displayed in red and recording starts.
6. To stop recording, press **Stop**(■) button.



Timer Function

GB

The timer enables you to switch the system on or off at specific times.

Example: You wish to wake up to music every morning.

➢ If you no longer want the system to be switched on or off automatically, you must cancel the timer.

☛
- Before setting the timer, check that the current time is correct.
- For each step, you have a few seconds to set the required options. If you exceed this time, you must start again.

---

1 Switch the system on by pressing **Standby/On (⏻/I)** .

2 Press **Timer/Clock** until **TIMER** is displayed.

3 Press **Program/Set**.
Result: **ON TIME** is displayed (instead of the equalizer symbols) for a few seconds, followed by any switch-on time already set; you can set the timer switch-on time.

4 Set the timer switch-on time.
- **a** Set the hour by pressing ⌄ or ⌃ button.
- **b** Press **Program/Set**.
  Result: The minutes flash.
- **c** Set the minutes by pressing ⌄ or ⌃ button.
- **d** Press **Program/Set**.
  Result: **OFF TIME** is displayed (instead of the equalizer symbols) for a few seconds, followed by any switch-off time already set; you can now set the timer switch-off time.

5 Set the timer switch-off time.
- **a** Set the hour by pressing ⌄ or ⌃ button.
- **b** Press **Program/Set**.
  Result: The minutes flash.
- **c** Set the minutes by pressing ⌄ or ⌃ button.
- **d** Press **Program/Set**.
  Result: **VOL 10** is displayed, where **10** corresponds to the volume already set.

6 Press ⌄ or ⌃ button to adjust the volume level and press **Program/Set**.
Result: The source to be selected is displayed.

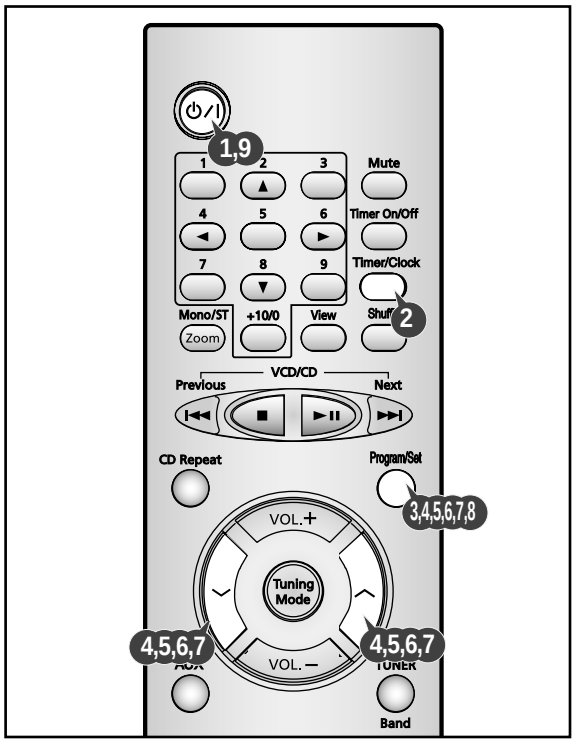
7 Press ⌄ or ⌃ button to select the source to be played when the system switches on.

If you select...	You must also...
TAPE (cassette)	Insert a cassette tape.
TUNER (radio)	**a** Press **Program/Set**. **b** Select a preset station by pressing ⌄ , ⌃ (remote control) or ⏮ , ⏭ (main unit).
CD (compact disc)	Load a compact disc.

8 Press **Program/Set** to confirm the timer.

9 Press **Standby/On (⏻/I)** to set the system to standby mode.
Result: is displayed to the upside left of the time, indicating that the timer has been set. The system will switch on and off automatically at the required times.

- If the timer switch on and off times are identical, the word **ERROR** is displayed.
- You can use the ⏮/⏭ button on the main unit to instead ⌃ /⌄ button in step 4,5,6,7.



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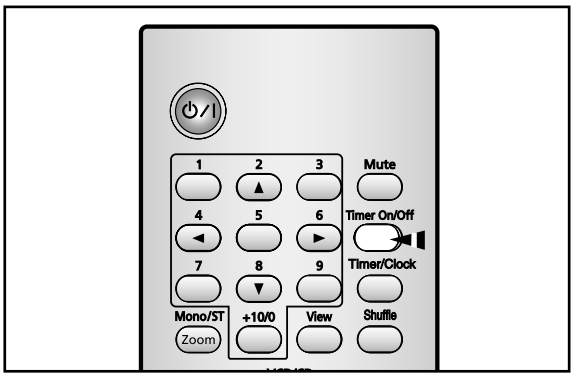
Canceling the Timer

After having set the timer, it will start automatically as shown by the TIMER indication on the display. If you no longer wish to use the timer, you must cancel it.

➢ You can stop the timer at any time (system on or in standby mode).

To...	Press Timer On/Off...
Cancel the timer ·····	Once. Result: ⏲ is no longer displayed.
Restart the timer ·····	Twice. Result: ⏲ is displayed again.

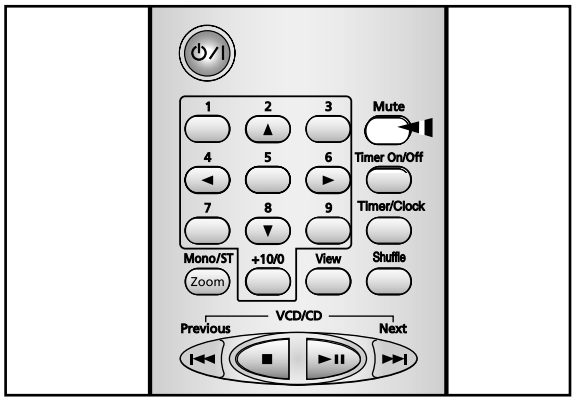


Mute Function

You can turn the sound off temporarily on your system.
Example: You wish to answer a telephone call.

1 Press **Mute**.

2 To switch the sound back on (at the same volume as before), press **Mute** again or the **Volume** buttons.

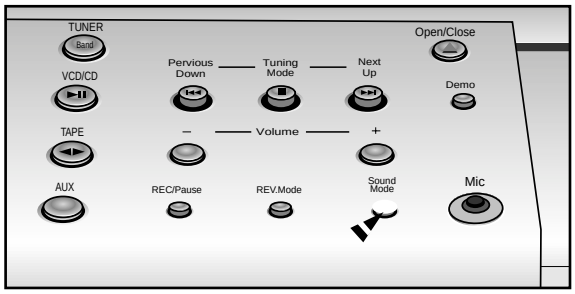


Selecting an Equalizer Preset

Your micro component system is equipped with a preset equalizer that allows you to choose the most appropriate balance between treble and bass frequencies, according to the type of music you are listening to.
The function of Power Sound amplifies bass and improves high key or bass twice as much for you to appreciate powerful real sound.

Press **Sound Mode** on the front panel until the required option is selected.

➢ Press the button repeatedly to select " **POP → ROCK → CLASSIC → P.SOUND(Power Sound)→PASS**"



Setting the System to Switch off Automatically

While listening to a compact disc or a cassette, you can set the system to switch off automatically
Example: You wish to go to sleep to music.

1 Press **Sleep** on the remote control.
Result: The following indications are displayed:

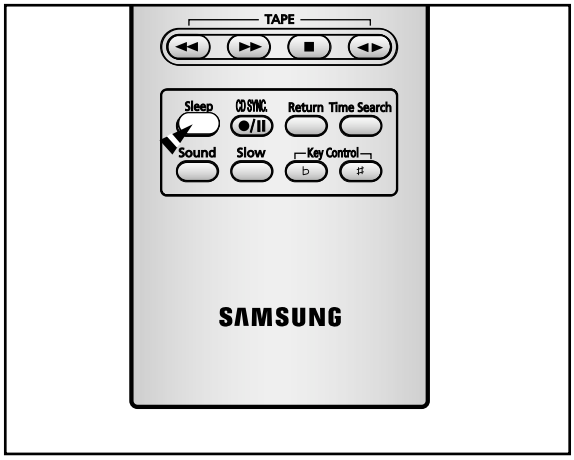
90 MIN

2 Press **Sleep** one or more times to indicate how long the system should continue playing before it switches off:

90 MIN → 60 MIN → 45 MIN → OFF → 15 MIN → 30 MIN →

➢ At any time, you can:
- ♦ Check the remaining time by pressing **Sleep**
- ♦ Change the remaining time by repeating Steps **1** and **2**

3 To cancel SLEEP function, press **Sleep** one or more times until **OFF** is display.

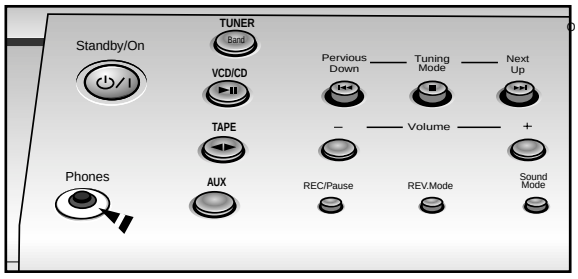


Connecting Headphones

You can connect a set of headphones to your micro component system so that you can listen to music or radio programmers without disturbing other people in the room.
The earphones must have a 3.5ø jack or an appropriate adapter.

Connect the headphones to the **Phones** jack on the front panel.
Result: The loudspeakers are no longer used to output the sound.

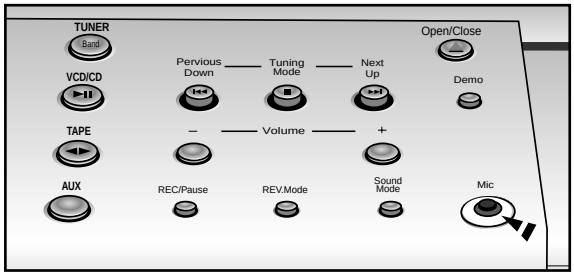
☛ Prolonged use of headphones at a high volume may damage your hearing.



Microphone (not supplied) Function

The microphone enables the user to mix in his or her vocals to sing-along with the music.

Preparation
Plug the microphone with a 3.5mm mic jack into microphone terminal.



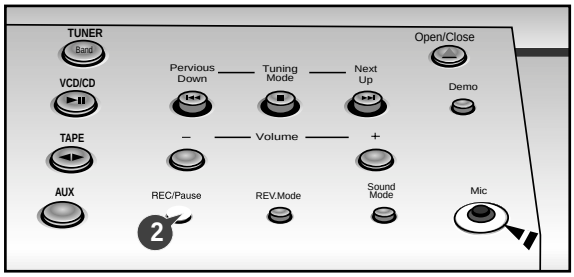
Recording with the Microphone

Connect the microphone to the microphone jack.

1 Insert the tape for recording in the deck.

2 Press REC/Pause button.
- ♦ Recording starts.

3 Input the voice through the microphone.



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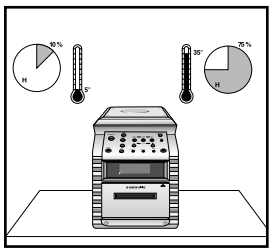
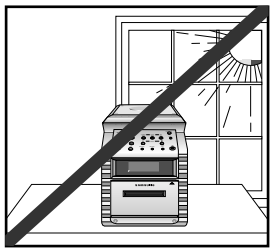
Safety Precautions

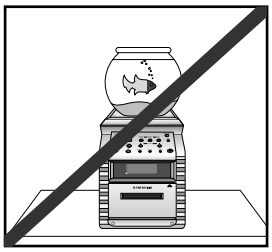
The following diagrams illustrate the precautions to be taken when using or moving your micro component system.



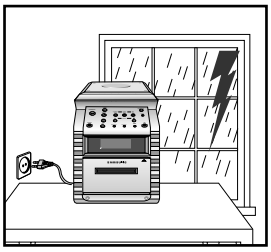
Ambient operating conditions:
Ambient temperature 5°C-35°C
Humidity 10-75%



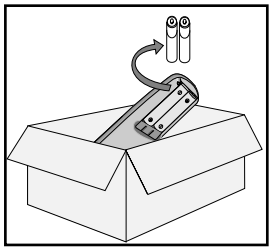
Do not expose the unit to direct sun radiation or other heat sources. This could lead to overheating and malfunction of the unit.



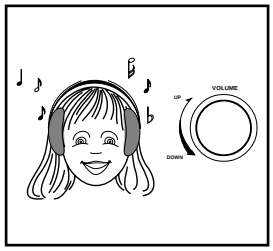
Do not place potted plants or vases on top of the unit. Moisture entering the unit could lead to dangerous electric shock and can cause equipment damage. In such events immediately disconnect the main plug from the socket.



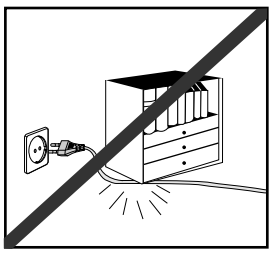
During thunderstorms, disconnect the main plug from the socket.
Main voltage peaks due to lightning could damage the unit.



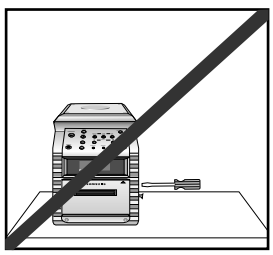
Remove the batteries from the remote control, if not used for any extended period.
Leaking batteries can cause serious damage to the remote control.



When using headphones, take care not to listen at excessive volumes. Extended use of headphones at high volumes will lead to hearing damage.



Do not place heavy items on the main lead. Main cable damage can lead to damage of the equipment (fire hazard) and can cause electric shock.



Do not remove any equipment panels. The inside of the unit contains live components, which cause electric shock.

Cleaning Your Micro Component System

To obtain the best possible results from your micro component system, you must clean the following elements regularly:

- The outer casing
- The compact disc player
- The cassette players (heads, rollers and drive capstans)

☛ Always unplug the system from the wall outlet:
- Before cleaning it
- If you are not going to be using it for a long time

Outer Casing

Clean the outer casing regularly using a soft cloth and a light detergent. Do not use abrasive powders, liquids or aerosol cleaners. Never let any liquids get into the system.

Compact Disc Player

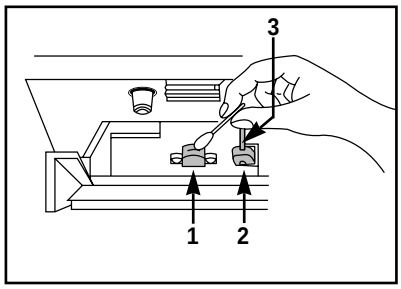
1 Before playing a compact disc, clean it with a special CD cleaning agent. Do not use the same cleaning agents as for vinyl LP records. Carefully wipe the disc from the centre outward.

2 Regularly clean the player with a special cleaning disc (available from your local dealer).

Tape Decks

1 Press **Push Eject**(⏏) to open the cassette deck.

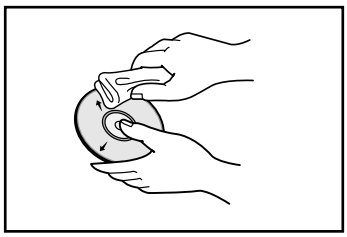
2 Use a cotton bud and a special cassette cleaning agent to clean the:
- Head (1)
- Rollers (2)
- Drive capstans (3)



☛
- If you will not be using the remote control for a long time, remove the batteries to prevent corrosion.
- Although your system is very hard-wearing, it should not be used in an excessively dusty environment or subjected to shocks or extreme heat (close to heating appliances or in direct sunlight, etc.).
- If the unit emits an unpleasant odor when in use, unplug it from the main supply and contact the after-sales service.

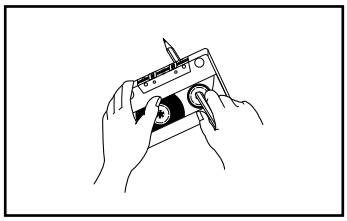
Precautions When Using Compact Discs

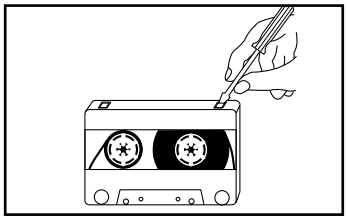
- Handle your compact discs with care. Always hold them by the edges to avoid leaving fingerprints on the shiny surface.
- When you have finished playing a compact disc, always put it back in its case.
- Do not fix paper or adhesive tape to the discs and do not write on the label.
- Clean them with a special-purpose cloth.
- Store your compact discs in a clean place, out of direct sunlight, where they will not be exposed to high temperatures.
- Always use compact discs marked .

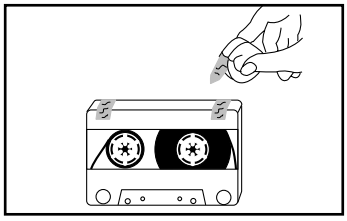


Precautions When Using Audio Cassettes

- Check that the tape in the cassette is sufficiently taut.
- To prevent erasing a cassette that you wish to keep, remove the safety tab on the upper edge of the cassette. To record a cassette, where the tab has been broken, simply cover the opening with adhesive tape.
- When you have finished playing a cassette, always put it back in its case.
- Store your cassettes in a clean place, out of direct sunlight, where they will not be exposed to high temperatures.
- Avoid using 120-minute cassettes as they place unnecessary strain on the tape mechanism.







Before Contacting the After-Sales Service

It always takes a little time to become familiar with a new appliance. If you have any of the problems listed below, try the solutions given. They may save you the time and inconvenience of an unnecessary service call.

	Problem	Checks/Explanation
GENERAL	The system does not work	• *The main lead is not correctly plugged into a wall socket or the wall socket is not switched on.* • *The remote control batteries need replacing or the polarity has not been respected.* • *The **Standby/On** button has not been pressed.*
GENERAL	There is no sound	• *The volume has been completely turned down.* • *The correct function (TUNER, CD, TAPE, AUX) has not been selected.* • *You have connected a set of earphones.* • *The loudspeaker wires have been disconnected.* • *The **Mute** button has been pressed.*
GENERAL	The Timer does not work	• *The timer has been stopped by pressing **Timer On/Off**.*
GENERAL	In case it does not work, even the action is taken as above.	• *Press the **Sound Mode** button for 5 seconds in power 'OFF'(standby), then it is returned the original position (RESET)*
CD	The compact disc player does not start playing	• *The CD function has not been selected.* • *The disc has been inserted face down or is either dirty or scratched.* • *The laser sensor is dirty or dusty.* • *The system has not been installed on a flat, horizontal surface.* • *Condensation has formed in the player; leave the system in a warm, airy room for at least one hour.*
CASSETTES	The tape does not start playing	• *The TAPE function has not been selected.* • *The cassette has not been inserted correctly.* • *The cassette player has not been closed.* • *The tape is either slack or broken.*
CASSETTES	The volume falls off The cassette is not erased correctly There is excessive wow and flutter	• *The audio heads are dirty.* • *The rollers or drive capstans are dirty.* • *The tape is worn.*
RADIO	Reception is poor or no radio stations are received at all	• *The TUNER function has not been selected.* • *The radio frequency has not been correctly selected.* • *The aerial has been disconnected or is not facing the right way. Turn it until you find the best orientation.* • *You are in a building that blocks radio waves; you must use an outside aerial.*

If the above guidelines do not allow you to solve the problem, take a note of:

- The model and serial numbers, normally printed on the rear of the system
- Your warranty details
- A clear description of the problem

Then contact your local dealer or SAMSUNG after-sales service.

Technical Specifications

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SAMSUNG strives to improve its products at all times. Both the design specifications and these user instructions are thus subject to change without notice.

RADIO	
LW(option)	
Usable sensitivity	60 dB
SW(option)	
Usable sensitivity	40 dB
AM (MW)	
Signal/noise ratio	40 dB
Usable sensitivity	54 dB
Total harmonic distortion	2 %
FM	
Signal/noise ratio	62 dB
Usable sensitivity	3 dB
Total harmonic distortion	0.5 %
COMPACT DISC PLAYER	
Frequency range	20 Hz - 20 KHz (± 1 dB)
Signal/noise ratio	90 dB (at 1 KHz) with filter
Distortion	0.05 % (at 1 KHz)
Channel separation	75 dB
Disc sizes	Diameter: 120 or 80 mm. Thickness: 1.2 mm
TAPE DECK	
Frequency range	125 Hz ~ 10 KHz
Signal/noise ratio	40 dB
Channel separation	35 dB
Erasing effect	60 dB
AMPLIFIER	
Output power (4Ω)	2 X 20 Watts RMS (total harmonic distortion : 10%)
Channel separation	50 dB
Signal/noise ratio	70 dB
GENERAL	
Dimensions	150(W) x 233 (H) x 287(D) mm

THIS APPLIANCE IS MANUFACTURED BY:

SAMSUNG ELECTRONICS

AH68-01157B